

Dr Ata Jahangir Moshayedi ,

BSc (Hons), MSc, PhD

阿塔·贾汉吉尔·莫沙耶迪 博士

理学学士（荣誉）、理学硕士、博士

专业方向：电子科学（机器人方向 - 移动嗅觉）

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谷歌学术主页：https://scholar.google.com/citations?user=nLz_vcoAAAAJ&hl=en&oi=ao, ORCID: 0000-0002-9457-6267

奖项

年份	机构/ 赛事	项目 / 著作名称	奖项 / 荣誉
2025	中国大学生计算机设计大赛	VSleep—睡眠姿势检测工具	江西省三等奖
2025	伊朗阿扎德大学	《Arduino 应用挑战》（作者：Ata Jahangir Moshayedi, Ebrahim Aghajari）, ISBN: 978-964-10-7021-4	学术著作出版
2025 / 2024/ 2023	江西理工大学	—	荣获“优秀学生项目指导教师”称号
2022	江西理工大学	《嵌入式系统设计与机器人中的统一性：分步指南》（作者：Ata Jahangir Moshayedi, Amin Kolahdooz, Liao Liefu）出版社：Chapman & Hall/CRC 人工智能与机器人系列, ISBN-13: 978-1032205588, ISBN-10: 103220558X	学术著作出版
2022	中国大学生计算机设计大赛	Handy Pipe Detector（便捷管道检测仪）	全国三等奖、省级一等奖
2021	中国大学生计算机设计大赛	疫情驱动考试助手（PEA）	全国三等奖、省级二等奖
2021	伊朗国家创意、创新与创业节	课堂自动考勤系统（CAAS）	“具有国际影响力创意奖”（国家级）
2021	中国计算机设计大赛智能服务机器人挑战赛（云机器人赛）	RDK 云机器人	全国三等奖、省级二等奖
2020	“互联网+”工业和信息化教育考试中心竞赛	自助课堂考勤系统（SLAS）	华中赛区二等奖
2019	第十一届中国大学生服务外包创新创业大赛	—	华中赛区二等奖
2019	第七届“发现杯”全国大学生互联网软件设计大赛	头盔检测系统（H.D）	华中赛区二等奖
2019	第七届发明家、模仿者与创新者节（伊朗纳杰法巴德阿扎德大学）	人体工学床垫识别系统设计	金奖、最佳发明奖（国家级）
2018	2018 年先进机器人与智能控制国际会议（ICARIC 2018, 中国湖南吉首）	—	金奖、最佳机器人演示奖
2018	IRAN OPEN 2018（国际机器人竞赛，伊朗德黑兰）	户外无人机（UAV）	三等奖
2017	第五届国际机器人与机电一体化会议（ICROM 2017, 伊朗德黑兰）	管道检测机器人	入选设计
2017	伊朗青年研究者与精英俱乐部	—	杰出成员
2018	伊朗霍梅尼沙赫尔阿扎德大学研究中心	—	杰出成员（2017、2018 年）
2016	伊朗青年研究者与精英俱乐部	太阳能冰箱设计与开发	一等奖
2015	Kahroba Sanat Espadan（KSE）	创立公司	—
2015 / 2013	伊朗科学与教育部代表	—	杰出学生称号
2010–2014	博士阶段	—	银奖
2008–2009	硕士阶段	—	印度最佳伊朗留学生称号
2012	Avishkar 2012（OMC 气味电影摄像机）	—	印度萨维特里拜·普勒·浦那大学州级第三轮竞赛入选
2009	印度萨维特里拜·普勒·浦那大学	仪器科学系硕士	排名第 5（共 47 人）
2009	Avishkar 2009	模糊旋涂机设计与开发（团队项目）	印度萨维特里拜·普勒·浦那大学州级第三轮竞赛入选

专利 / 著作权 / 著作

已授权专利（带证书）：

- 2022 年：多面沉降陷阱与防尘壁蜂窝结构系统，伊朗专利号：140150140003000126
- 2018 年：人体工学床垫与枕头识别系统设计与制造，伊朗专利号：96911:15-07-1397

审核中专利：

- 2020 年提交：用于分布式系统的高集成模块化嵌入式机器人设计（FDR），中国专利号：2019104181189
- 2019 年提交：新型管道机器人架构，中国专利号：109854862A

序号	软件 / 项目名称	注册号
1	Dr Orange	2025SR1913226
2	VSleep 睡眠姿势检测软件 V1.0	2025SR1671108
3	组合测试工具 [简称: CTT] V1.0	2025SR7622
4	命运之环软件 [简称: COF] V1.0	2025SR188270
5	坐姿检测系统 v1.0	2024SR0994613
6	玉米识别与估产软件 [CDE] V1.0	2024SR0587718
7	足部对齐检测系统 1.0 软件	2024R11L0825282
8	视觉睡眠分析软件 V1.0 (VSleep)	2023SR0547649
9	管道缺陷智能检测系统 V1.0	2023SR0452001
10	快乐儿童	2022SR0851130
11	疫情驱动考试助手 (PEA)	2022SR088310
12	自助课堂考勤系统 (SLAS)	2020SR0058411
13	DDS_智能诊断系统	2020R11L634180
14	自动考勤系统 (AS)	2020R11L642900
15	乒乓球助理裁判系统 (TTA)	2020R11L634269
16	自动订单分析系统 (S.J.)	2020R11L031964

出版著作：

1.

2025 年 7 月：《Application challenges for Arduino》
作者：Ata Jahangir Moshayedi , Ebrahim Aghajari
出版社：Azad univiersty Iran

2.

2022 年 7 月：《嵌入式系统设计与机器人中的统一性：分步指南》
作者：Ata Jahangir Moshayedi, Amin Kolahdooz, Liao Liefu
出版社：Chapman & Hall/CRC 人工智能与机器人系列
ISBN-13: 978-1032205588, ISBN-10: 103220558X

3.

2019 年 4 月：《用于气体泄漏检测的气味定位系统设计》
作者：Ata Jahangir Moshayedi, D.C. Gharpure
出版社：LAP LAMBERT 学术出版社
ISBN-13: 978-613-9-44870-8, ISBN-10: 6139448700

4.

2016 年 11 月：《Arduino 编程入门》（波斯语）
作者：Ata Jahangir Moshayedi 等 ISBN: 978-964-218-220-6
——伊朗首部经高校认证用于嵌入式课程的 Arduino 学术教材

图书章节（2025 年）：

1.

Moshayedi, A.J. 等, 《元启发式算法作为优化器：前景与挑战（第一部分）》，收录于《人工智能与群体智能的工程应用》，Springer 出版。DOI: 10.1007/978-981-97-5979-8_7

2.

同上（第二部分），DOI: 10.1007/978-981-97-5979-8_8

3.

Moshayedi, A.J. 等, 《保障智能基础设施：用于自动管道缺陷检测的深度学习技术综述》，收录于《赋能智能生活与环境的人工智能应用》，2025 年，第 67 页。

4.

Moshayedi, A.J. 等, 《体育中的服务机器人：以自主地面车辆中 SLAM 实现为例》，收录于《体育医学与体育服务中的机器人与人工智能》。

科研项目与经费

项目（1）：氨气电子鼻系统设计与开发（2022 年至今）

• 资助单位：河南农业大学（胡教授实验室）

• 项目简介：开发用于工业环境中低浓度氨气监测与控制的定制化电子鼻系统，结合先进传感技术与实时数据分析，确保环境合规与安全。

• 角色：项目负责人、设计师、程序员

• 技术栈：C#、C++、Unity、VR/AR、机器人、AI、Arduino、树莓派、ROS、嵌入式系统

项目 (2): AGV 机器人设计与开发 (2020–2023)

- 资助单位: 江西理工大学 (30,000 元人民币, 项目编号: 2021205200100563)
- 项目简介: 从设计到产品全流程开发定制 AGV 系统。第一阶段使用碰撞、红外、超声波传感器及磁导航; 第二阶段引入激光雷达与摄像头实现 AI 导航, 并探索 VR 集成。
- 成果: 发表多篇 AGV 相关论文, 测试多种算法以降低 AGV 成本。
- 角色: 项目负责人、设计师、程序员
- 技术栈: 同上

项目 (3): 送餐机器人 (FDR) 设计与开发 (2018–2019)

- 资助单位: 江西理工大学
- 项目简介: 包含视觉识别、导航、网络通信、APP 订餐、支付、机械臂分发 (最多 4 份餐食)、客户识别及后台数据分析。已提交中国专利申请。
- 角色: 项目负责人、设计师、程序员
- 技术栈: MIT App Inventor、Arduino、树莓派、OpenCV 人脸识别

项目 (4): 基于安卓的 SCADA 系统 (2016–2018)

- 资助单位: 伊朗沙希德·穆罕默德·蒙塔泽里电厂 (125,000 英镑)
- 成果:
 - Espad Niroo: 伊朗电厂首款安卓 SCADA 应用
 - Dadeneghar: 伊朗第二款电厂安卓应用
- 角色: 团队负责人、项目负责人、设计师、程序员
- 获得电厂官方认证

项目 (5): 大学创新中心嵌入式短期项目 (2014–2018)

- 资助单位: 伊朗霍梅尼沙赫尔阿扎德大学 (30,000 英镑)
- 子项目包括:
 - 人体工学床垫识别系统
 - Kian 机器人 (低成本 Khepera 模型)
 - 驾驶员意识检测器 (CDC)
 - 伊朗第三届全国机器人竞赛 Arduino 机器人
 - Arduino 电子鼻
 - 阿尔茨海默症患者追踪设备
 - 小型蘑菇农场安卓自动化系统
- 成果: 多个项目在展览、伊朗国家电视台展示, 并被工业界采纳。

项目 (6): 浦那大学嵌入式系统项目 (2007–2015)

- 资助单位: 印度萨维特里拜·普勒·浦那大学 (8,000 英镑)
- 代表性项目:
 - 气味电影摄像机 (OMC)
 - 基于 Matlab 的低成本 Web SCADA 电力管理系统
 - 模糊旋涂系统 (FSC)
 - 嵌入式太阳能追踪系统 (STS)

学术经历

1. 副教授

江西理工大学信息工程学院, 中国赣州 (2018 年 8 月至今)

- 职责: 课程开发、教学、学生评估、本硕毕业设计指导、科研项目申请与执行
- 主讲课程: 机器人学、嵌入式系统设计、数字系统设计、数字图像处理
- 辅导课程: 高级算法分析与设计、计算机综合课程设计、单片机设计、移动应用编程、C/C++编程、离散数学

2. 讲师

伊朗霍梅尼沙赫尔阿扎德大学 (2009 年 10 月–2018 年 8 月)

阿塔·贾汉吉尔·莫沙耶迪 2025 年 10 月

- 担任多个本科专业课程负责人与主讲教师，涵盖控制工程、机电一体化、生物医学工程、电力电子、机器人等方向
- 3.助教 (TA)
- 印度浦那萨维特里拜·普勒大学 (2013 年)
- 协助 D.C. Gharpure 教授讲授《数字系统设计》

工业界经历

- 2017 年 3 月 – 2018 年 5 月: Rahkoshan Espadan (RKE) 精英公司 (伊朗伊斯法罕)
职位: 创始人兼首席经理
重点项目: 基于 Arduino 的低成本智能家居 (KASHANEH)、太阳能冰箱逆变器、电厂 SCADA 应用
- 2015 年 3 月 – 2017 年 3 月: Kahroba Sanat Espadan (KSE) 公司 (伊朗伊斯法罕)
职位: 创始人兼首席经理
负责仪器安装校准与嵌入式项目
- 2014 年 1 月 – 2015 年 3 月: Entekhab Group (SNOWA) (伊朗伊斯法罕)
职位: 电气部门执行经理
重点项目: 冰箱功能在线仿真器、继电器寿命测试仪等
- 2005 年 9 月 – 2007 年 6 月: BARSAN 公司 (伊朗德黑兰)
职位: EPC 项目经理/工程师
重点项目: 多条高压输电线路 (63kV 至 400kV) 及变电站工程
- 2004 年 9 月 – 2005 年 9 月: MOSHANIR 公司 (伊朗德黑兰)
职位: EPC 项目工程师
重点项目: 多条 230kV 输电线路总承包工程

教育背景

- 博士 (2009 年 10 月 – 2016 年 3 月)
印度浦那萨维特里拜·普勒大学
专业: 电子科学 (移动嗅觉/机电一体化)
学位: 博士 (优秀)
论文题目: 《用于气体泄漏检测的气味定位系统设计与开发》
论文等级: 优秀 (Very Good)
成果: 提出新型生物启发算法 (PB) 与气体传感器数学模型; 论文出版为专著 (ISBN: 978-613-9-44870-8)
- 硕士 (2007 年 7 月 – 2009 年 7 月)
印度浦那萨维特里拜·普勒大学
专业: 仪器科学
学位: 理学硕士 (优秀)
GPA: 4.48/6 (B 级)
论文题目: 《面向 EMS 的低成本 Web SCADA 系统以太网解决方案》
论文与工业项目成绩: 优异 (Excellent - O)
荣誉: 全系第 5 名 (共 45 人), 系内第二位国际学生
- 学士 (1999 年 8 月 – 2004 年 6 月)
伊朗霍梅尼沙赫尔阿扎德大学
专业: 电力工程
学位: 工学学士 (优秀)
毕业设计: 《直流电机模糊 PI 控制器 (智能直流驱动)》, 成绩: 19/20

专业培训

- Python 编程、无人机设计 (伊朗, 2018)
- 新能源技术 (印度, 2014)

阿塔·贾汉吉尔·莫沙耶迪 2025 年 10 月

- 机器人手术与仪器（印度，2012）
- LabVIEW、Matlab/Simulink、Linux、SCADA/PLC 等多项技术培训（2007–2013）

专业会员资格

- IEEE 高级会员、ACM 专业会员、中国计算机学会（CCF）会员（2024 年起）
- IEEE 机器人与自动化学会、仪器与测量学会、通信学会会员（2008 年起）
- 印度 Speed Society、印度仪器学会终身会员
- 伊朗电气与电子工程师协会成员（2004–2006）

计算机技能

- 编程语言：Python、Arduino、Java、C/C++、ROS、Unity、Matlab、LabVIEW、VB、Delphi 等
- 软件：Microsoft Office、AutoCAD、OrCAD、Altium Designer、Photoshop 等
- 操作系统：Windows、Linux、DOS、嵌入式开发环境（如 Keil、CodeVision）

语言能力

- 英语：流利
- 波斯语：母语
- 阿拉伯语：中级
- 乌尔都语/印地语：中高级
- 中文：中级

发布

<i>Ata Jahangir Moshayedi (28 OCT 2025)</i>	All	Since 2020
引用数	1960	1905
h 指数	26	25
i10 指数	60	59

2025: Till 2025.10

2025_ Chapter book

- **Moshayedi, A.J.**, Nasab, S.T.M., Khan, Z.H., Khan, A.S. (2025). Meta-heuristic Algorithms as an Optimizer: Prospects and Challenges (Part I). In: Yang, X.S. (eds) Engineering Applications of AI and Swarm Intelligence. Springer Tracts in Nature-Inspired Computing. Springer, Singapore. https://doi.org/10.1007/978-981-97-5979-8_7.
- **Moshayedi, A.J.**, Nasab, S.T.M., Khan, Z.H., Khan, A.S. (2025). Meta-heuristic Algorithms as an Optimizer: Prospects and Challenges (Part II). In: Yang, X.S. (eds) Engineering Applications of AI and Swarm Intelligence. Springer Tracts in Nature-Inspired Computing. Springer, Singapore. https://doi.org/10.1007/978-981-97-5979-8_8.
- **Moshayedi, A.J**, AS Khan, ZH Khan, X Zhang Safeguarding Smart Infrastructure: A Review of Deep Learning Techniques for Automatic Pipeline Defect Detection, ,Empowering AI Applications in Smart Life and Environment: 67,2025.
- **Moshayedi, A.J**, Jinsong Li, Amir Sohail Khan, Zeashan Hameed Khan, Arash Sioofi Khoojine, Jiandong Hu, Mehran Emadi Andani, Service Robots in Sports: A Case Study of SLAM Implementation in Autonomous Ground Vehicle , book name : Robotics and Artificial Intelligence in Sports Medicine and Sports Services.

2025_ Journal

- **Moshayedi, A.J.,, A. M. Aghda, S. A. Eftekhari, M. E. Andani, and S. Salahshour**, “Respiratory parameter estimation using pharyngeal phonetics and machine learning: Breaking free from spirometry,” Engineering Applications of Artificial Intelligence, vol. 160, p. 111989, 2025. (SJR: Q1: 1.652, SCI Z1)
- **Moshayedi, A.J.,, B. Firouzi, M. J. Jawadi, and X. Zhang, Majid Elyasi** “A comprehensive review and comparative analysis of water hardness and quality detection methods: Chromatography, E-nose technology, and image-based techniques,” International Journal of Engineering, 2025. (SJR: Q2: 0.57, SCI Z4)
- **Moshayedi, A.J., A. , Nowzari, R. , Taherinezhad, M. , Esmacili Najafabadi, H. , Sohail Khan, A. , Ghadiri Nejad, M. and Ghanbari, N.** (2025). Investigation and characterization of pipe defects and challenge toward the guarantee of environmental chemical protection. Iranian Journal of Chemistry and Chemical Engineering, -. doi: 10.30492/ijcce.2025.2051834.6993, (SJR: Q3: 0.240, SCI Z4)

- **Moshayedi, A.J.**, AS Roy, ZH Khan, H Lan, H Lotfi, X Zhang, EMTIHAN: Design of a novel approach to secure online examination challenge in remote learning, *Education and Information Technologies* 30 (7), 9573-9604, 2025 (SJR: Q1: 1.654, SCI Z2)
- **Moshayedi, A.J.**, Z Wang, M Sharifdoust, AS Khoojine, W Zhang, ...Smart Farming Solutions: A User-Friendly GUI for Maize Tassel Estimation Using YOLO with Dynamic and Fixed Labelling, Featuring Video Support, *IEEE Access*, 2025 (SJR: 0.849 Q1, SCI: Z3)
- **Moshayedi, A.J.**, Amir Sohail Khan, Ming Chen, PPP, ENose: a new frontier for non-invasive cancer detection and monitoring, *Journal of Cancer Metastasis and Treatment* 11 (6), 1-16, 2, 2025 (SJR: 0.485 Q3, SCI: Z4)
- **Moshayedi, A.J.**, AS Khan, K Geng, J Hu, A Kolahdooz, Advancing Agricultural Practices: Analyzing the Role of Robotics in Corn Farming, *International Journal of Engineering (IJE)* 38 (7), 1517-1532, 3, 2025. (SJR: 0.347, Q2, SCI: Z4)
- **Moshayedi, A.J.**, Roy, A. S., Ghorbani, H., Lotfi, H., Zhang, X., Liao, L., & Gheisari, M. (2024). A novel IoT-enabled portable, secure automatic self-lecture attendance system: design, development and comparison. *International Journal of Electronic Security and Digital Forensics*, 16(6), 663-689. October 7, 2024 <https://doi.org/10.1504/IJESDF.2024.142009> (SJR: 0.189, Q2, SCI: Z4)
- **Moshayedi, A.J.**, Mokhtari, T., & Emadi Andani, M. (2025). Brain Stimulation Techniques in Research and Clinical Practice: A Comprehensive Review of Applications and Therapeutic Potential in Parkinson's Disease. *Brain Sciences*, 15(1), 20. <https://doi.org/10.3390/brainsci15010020> (SJR: 0.796, Q3, SCI: Z3)
- A. Bastola, H. Wang, S. P. H. Boroujeni, J. Brinkley, **Moshayedi, A.J.**, and A. Razi, "Driving Toward Inclusion: A Systematic Review of AI-Powered Accessibility Enhancements for People With Disability in Autonomous Vehicles," in *IEEE Access*, vol. 13, pp. 61384-61415, 2025, doi: 10.1109/ACCESS.2025.3555923. (SJR: 0.849, Q1, SCI: Z3)
- J Lai, X Zhang, S Liu, S Zhong, **Moshayedi, A.J.**, Blockchain-based VANET edge computing-assisted cross-vehicle enterprise authentication scheme, *Computer Communications* 231, 108040, 1, 2025 (SJR: 1.42, Q1, SCI: Z3)
- Xu, J., Zhang, X. & **Moshayedi, A.J.** Correction: Nonlinear coexistence phenomenon and FPGA implementation with the hybrid of memristive–memcapacitive hyperchaotic system. , *European Physical Journal Plus* , 140, 52 (2025). <https://doi.org/10.1140/epjp/s13360-025-06012-w> (SJR: 1.42, Q1, SCI: Z3)

2025_EI_Conference

- H. Lu, **Moshayedi, A.J.**, M. Wang, B. Guo, and D. Bassir, "Advancements and challenges in UAV-based gas detection: A review of emerging technologies," in *Smart Manufacturing, Structural Health Monitoring and Digital Twins*, pp. 90–97, IOS Press, 2025.
- M. Wang, **Moshayedi, A.J.**, H. Lu, B. Guo, and D. Bassir, "Integration of electronic noses and UAVs for intelligent gas detection: A review of methods and challenges," in *Smart Manufacturing, Structural Health Monitoring and Digital Twins*, pp. 82–89, IOS Press, 2025.
- Syed Ali Ishaq, Neelum Yousaf, Hafiz Zia Ur Rehman, Zeashan Khan, and **Moshayedi, A.J.** "Deep learning-based change detection in quadcopter aerial images", *Proc. SPIE 13697, Third Asia Conference on Computer Vision, Image Processing, and Pattern Recognition (CVIPPR 2025)*, 136970R (21 July 2025); <https://doi.org/10.1117/12.3076283>
- **Moshayedi, A.J.**, Atanu Shuvam Roy, Zeashan Ahmed Khan, Shuxing Yang, Urban Park: Advancing Parking Infrastructure with LoRaWAN-enabled Smart Parking Modules, 4th ICCIT CONFERENCE TABUK, KINGDOM OF SAUDI ARABIA, 13-15 April 2025 (IEEE_EI index: In press)
- **Moshayedi, A.J.**, Zou Zhenpeng, Atanu Shuvam Roy, Amin Kolahdooz, XiaoQiang AVG Robot Navigation Performance: Comparative Study of LiDAR and Kinect in Physical and Virtual Scenarios, The 5th International Conference on Frontiers of Electronics, Information and Computation Technologies June 27-29, 2025, Ningbo, China (Springer_EI index: Accepted)
- Yiguo Yang, Shuai Li, Pin Wu, **Moshayedi, A.J.**, Weibing Feng, "Design and Analysis of a Novel Zeroing Neural Network for Matrix Decomposition under Data Loss and Noise Interference", *Applied Mathematical Modelling*, (SJR: 1, Q1, SCI: Z2)

2024 :

2024_Conference:

- **Moshayedi, A.J.**, Mohammad Jalil Jawadi, Atanu Shuvam Roy, Elahe Rostami, Zhonghua Wang, Liqin Yang, and Qun Xu. Dr_OrangeApp: Revolutionizing Real-Time Pest Detection in Citrus Orchards. *Proceedings of the 4th Asia-Pacific Artificial Intelligence and Big Data Forum*. <https://doi.org/10.1145/371849.3718618>, (EI index_Best paper Award).
- **Moshayedi, A.J.**, Sahar Erfanian Erfanian, Mohammad Jalil Jawadi, and Huo Liang. 2025. DSS: Enhancing Home Appliance Fault Detection through a CRM-Based Diagnostic Smart System. In *Proceedings of the 4th Asia-Pacific Artificial Intelligence and Big Data Forum (AIBDF '24)*. <https://doi.org/10.1145/3718491.3718617>, (EI index_Best paper Award)

- **J. Moshayedi**, Y. Yu, K. Savoji and M. E. Andani, "Comfort Shoulder (Rhomboid Major) Muscles Chair Identifier System," *2024 6th International Conference on Communications, Information System and Computer Engineering (CISCE)*, Guangzhou, China, 2024, pp. 1505-1509, doi: 10.1109/CISCE62493.2024.10653444.
- **J. Moshayedi**, I. Lskar, S. Yang, S. K. Shinde, A. Razi and M. E. Andani, "IOTToe: A Smart System for In/Out-Toeing Foot Identification," *2024 6th International Conference on Communications, Information System and Computer Engineering (CISCE)*, Guangzhou, China, 2024, pp. 1510-1514, doi: 10.1109/CISCE62493.2024.10653297.
- S. M. Zanjani, M. Dolatshahi, M. Dousti, Z. Alaie, **Moshayedi A.J** and A. Mehrabi, "Frequency Response and Design Based on gm/ID of Amplifier in CNFET Technology," *2024 6th Iranian International Conference on Microelectronics (IICM)*, Tabriz, Iran, Islamic Republic of, 2024, pp. 1-6, doi: 10.1109/IICM65053.2024.10824539.
- Nimbale Sharadkumar Mallikarjun, Jadhav Bharat Tayyapa, **Moshayedi, A. J.**, and Shinde Shashikant Kisanrao, "Performance Analysis of ANN Control Chart For Monitoring the Individual Measurements of Manufacturing Process," vol. 5, pp. 130–135, Jul. 2024, doi: <https://doi.org/10.1145/3689299.3689323>.
- Talha Ahmad, Taimoor Ishtiaq Butt, Muhammad Ramiz, Hafiz Zia Ur Rahman, Zeashan Hameed Khan and **Moshayedi, A.J.**, CLEANtech: Design of an Autonomous Indoor Floor Cleaning Robot, 3rd International Conference on Sensing, Measurement, Communication and Internet of Things Technologies (SMC-IoT 2024) (EI index_ Springer nature: ,In press)
- Zeashan Hameed Khan, Romana Riyaz, and **Moshayedi, A.J.**, Reliability Challenges of AI on the Road: A Case Study of Self-Driving Cars, 3rd International Conference on Sensing, Measurement, Communication and Internet of Things Technologies (SMC-IoT 2024) (EI index_ Springer nature ,In press)
- Faiza Sindhu , Hafiz Zia Ur Rehman , Zeashan Khan and **Moshayedi, A.J** ,Automated Detection and Classification of Sleep Spindles using Machine Learning and Signal Processing Techniques , Moda 24, France (In press)
- Syed Ali Ishaq, Neelum Yousaf, Hafiz Zia Ur Rehman, Zeashan Khan, **Moshayedi, A.J.**, Deep learning based Change Detection in Quadcopter Aerial Images, 2025 3rd Asia Conference on Computer Vision, Image Processing and Pattern Recognition (CVIPPR 2025), Xiamen, China Jun, 2025(EI index_ Springer nature ,In press)
- S. M. Zanjani, M. Dolatshahi, M. Dousti, Z. Alaie, **Moshayedi, A.J** and A. Mehrabi, "Frequency Response and Design Based on gm/ID of Amplifier in CNFET Technology," *2024 6th Iranian International Conference on Microelectronics (IICM)*, Tabriz, Iran, Islamic Republic of, 2024, pp. 1-6, doi: 10.1109/IICM65053.2024.10824539,(EI index_ IEEE)
- Nimbale Sharadkumar Mallikarjun, Jadhav Bharat Tayyapa, **Moshayedi, A.J.**, and Shinde Shashikant Kisanrao. 2024. Performance Analysis of ANN Control Chart For Monitoring the Individual Measurements of Manufacturing Process. In *Proceedings of the 2024 3rd International Symposium on Robotics, Artificial Intelligence and Information Engineering (RAIIE '24)*. (EI index_ ACM)
- Kimia savoji, Moshayedi, A.J, Real-Time SVM Classification of EMG Signals for Detecting Finger Movements in Prosthetic and Robotic Arm Control (ICRAIC 2024) ICRAIC 2024,Changsha China ICRAIC 2024 Dec.6-9,2024 (EI index_ Best paper Award)

2024_ Journal

- **Moshayedi, A.J.**, Khan, A., Yang, Y., Hu, J., & Kolahdooz, A. (2024). Robots in agriculture: Revolutionizing farming practices. *EAI Endorsed Transactions on AI and Robotics*, 3.(SJR .Q2) Scopus Index
- **Moshayedi, A. J.**, T. Mokhtari, and Mehran Emadi Andani, "Brain Stimulation Techniques in Research and Clinical Practice: A Comprehensive Review of Applications and Therapeutic Potential in Parkinson's Disease," *Brain Sciences*, vol. 15, no. 1, pp. 20–20, Dec. 2024, doi: <https://doi.org/10.3390/brainsci15010020>.
- **Moshayedi, A.J.**, Roy, A.S., Khan, Z.H. et al. EMTIHAN: Design of a novel approach to secure online examination challenge in remote learning. *Educ Inf Technol* (2024). <https://doi.org/10.1007/s10639-024-13170-4>
- J. Lai, X. Zhang, S. Liu, S. Zhong, and **Moshayedi, A. J.**, "Blockchain-based VANET edge computing-assisted cross-vehicle enterprise authentication scheme," *Computer Communications*, pp. 108040–108040, Dec. 2024, doi: <https://doi.org/10.1016/j.comcom.2024.108040>.
- K. Suresh Kumar,A.S. Radha Mani,T. Ananth Kumar,Ahmad Jalili,Mehdi Gheisari,Yasir Malik,Hsing-Chung Chen &**Moshayedi, A. J.**, "Sentiment Analysis of Short Texts Using SVMs and VSMSs-Based Multiclass Semantic Classification," *Applied Artificial Intelligence*, vol. 38, no. 1, Mar. 2024, doi: <https://doi.org/10.1080/08839514.2024.2321555>.
- X. Zhang, J. Xu, and **Moshayedi, A. J.**, "Design and FPGA implementation of a hyperchaotic conservative circuit with initial offset-boosting and transient transition behavior based on memcapacitor," *Chaos Solitons & Fractals*, vol. 179, pp. 114460–114460, Jan. 2024, doi: <https://doi.org/10.1016/j.chaos.2024.114460>.
- Xu, J., Zhang, X. & **Moshayedi, A. J.** Nonlinear coexistence phenomenon and FPGA implementation with the hybrid of memristive–memcapacitive hyperchaotic system. *Eur. Phys. J. Plus* 139, 393 (2024). <https://doi.org/10.1140/epip/s13360-024-05176-1>.
- **Moshayedi, A. J.** , Taheri Mehdi, Heidari Ali, Abd Alreda Baraa, Yuan Yanjie, Heidarshenas Behzad , Toghraie D., "Fuzzy modeling and characterization of mechanical and biological properties of a selective laser melting shape: A comprehensive study", *Optics & Laser Technology*, Volume 170,2024,110171,<https://doi.org/10.1016/j.optlastec.2023.110171>. ,(SCI:Z2, SJR=Q1, IF=5)
- K. Suresh Kumar,A.S. Radha Mani,T. Ananth Kumar,Ahmad Jalili,Mehdi Gheisari,Yasir Malik,Hsing-Chung Cheni, **Moshayedi, A. J.**, "Sentiment analysis of short texts using svms and VSMSs-based multiclass semantic classification," *Applied Artificial Intelligence*, vol. 38, no. 1, Mar. 2024. doi:10.1080/08839514.2024.2321555 ,(SCI:Z3, SJR=Q3, IF=2.78)
- **Moshayedi, A. J.**, A. S. Roy, L. Liao, A. S. Khan, A. Kolahdooz and A. Eftekhari, "Design and

Development of FOODIEBOT Robot: From Simulation to Design," in IEEE Access, vol. 12, pp. 36148-36172, 2024, doi: 10.1109/ACCESS.2024.3355278. ,(SCI:Z3, SJR=Q1, IF=3.476)

- Emadi Andani, Mehran, Bahar Lotfalian, and **Moshayedi, A. J.** 2024. "Designing and Manufacturing an Affordable and Easy to Use Visual Bio Feedback Device to Fix Forward Head Posture: A Pilot Study Involving Female Students" Applied Sciences 14, no. 2: 781. <https://doi.org/10.3390/app14020781>,(SCI:Z4, SJR=Q1, IF=2.838)
- Zhang, X., Xu, J. and **Moshayedi, A. J. (2024)** 'Design and FPGA implementation of a hyperchaotic conservative circuit with initial offset-boosting and transient transition behavior based on memcapacitor', Chaos, Solitons & Fractals, 179, p. 114460. doi:10.1016/j.chaos.2024.114460. ,(SCI:Z1, SJR=Q1, IF=7.8).
- Mehran Emadi Andani, Bahar Lotfalian, and **Moshayedi, A. J.**, "Designing and Manufacturing an Affordable and Easy to Use Visual Bio Feedback Device to Fix Forward Head Posture: A Pilot Study Involving Female Students," Applied Sciences, vol. 14, no. 2, pp. 781–781, Jan. 2024, doi: <https://doi.org/10.3390/app14020781>.
- K Suresh Kumar, AS Radha Mani, T Ananth Kumar, A Jalili, M Gheisari **Moshayedi, A.J** , Sentiment analysis of short texts using SVMs and VSMs-based multiclass semantic classification, Applied Artificial Intelligence 38 (1), 2321555 15,2024, (SJR: 0.598, Q2,SCI:Z4)

2024_Other Index :

- Savoji, K., Soleimani, M., & **Moshayedi, A.J.** (2024). A Comprehensive Review of Electromyography in Rehabilitation: Detecting Interrupted Wrist and Hand Movements with a Robotic Arm Approach. EAI Endorsed Transactions on AI and Robotics, (SJR_Q2)
- **Moshayedi, A. J.**, AS Roy, H Ghorbani, H Lotfi, X Zhang, L Liao, M Gheisari, "A novel IoT-enabled portable, secure automatic self-lecture attendance system: design, development and comparison," International Journal of Electronic Security and Digital Forensics, vol. 16, no. 6, pp. 663–689, Jan. 2024, doi: <https://doi.org/10.1504/ijesdf.2024.142009>.
- **Moshayedi, A. J.**, A. S. Khan, K. Geng, J. Hu, and A. Kolahdooz, "Advancing Agricultural Practices: Analyzing the Role of Robotics in Corn Farming," International Journal of Engineering, vol. 38, no. 7, pp. 1517–1532, Jan. 2025, doi: <https://doi.org/10.5829/ije.2025.38.07a.07>.
- Savoji, Kimia, Masoumeh Soleimani, and **Moshayedi A.J.** "A Comprehensive Review of Electromyography in Rehabilitation: Detecting Interrupted Wrist and Hand Movements with a Robotic Arm Approach." *EAI Endorsed Transactions on AI and Robotics* 3 (2024).
- **Moshayedi, A. J.**, A. Sohail Khan, Y. Yang, J. Hu, and A. Kolahdooz, "Robots in Agriculture: Revolutionizing Farming Practices", EAI Endorsed Trans AI Robotics, vol. 3, Jun. 2024.
- **Moshayedi, A. J.**, AS Khan, M Davari, T Mokhtari, ME Andani,(2024) 'Micro robot as the feature of robotic in healthcare approach from design to application: The State of Art and Challenges', EAI Endorsed Transactions on AI and Robotics, 3. doi:10.4108/airo.5602.
- **Moshayedi, A. J.**Yibin Xie,Maryam Sharifdoust,Amir Sohail Khan"Evaluating OMNI Robot Navigation with SLAM in CoppeliaSim: Hemangiomas and Nonhomogeneous Paths." *transformation* 1 (2024): v2.
- W. Li, J. Jing, Y. Chen, X. Chen and **Moshayedi, A. J.**, "Evolutionary Experience-Driven Particle Swarm Optimization with Dynamic Searching," in Complex System Modeling and Simulation, vol. 3, no. 4, pp. 307-326, December 2023, doi: 10.23919/CSMS.2023.0015.

2023 :

2023_Journal :

- Abdulraheem, M.I.; Zhang, W.; Li, S.; **Moshayedi, A. J** , Farooque, A.A.; Hu, J. Advancement of Remote Sensing for Soil Measurements and Applications: A Comprehensive Review. *Sustainability* **2023**, *15*, 15444. <https://doi.org/10.3390/su152115444>(SCI=Z3,SJR=Q1, 0.664 Score, IF 3.9)
- **Moshayedi, A. J.**, Uddin, N. M. I., Khan, A. S., Zhu, J., & Emadi Andani, M. (2023). Designing and Developing a Vision-Based System to Investigate the Emotional Effects of News on Short Sleep at Noon: An Experimental Case Study. *Sensors*, 23(20), 8422.(SCI=Z3,SJR=Q1, 0.76 Score, IF 3.9)
- **Moshayedi, A. J.**, Uddin, N.M.I., Zhang, X. and Emadi Andani, M. (2023), "Exploring the role of robotics in Alzheimer's disease care: innovative methods and applications", Robotic Intelligence and Automation(pervious name : Assembly Automation), Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/RIA-04-2023-0045>.(SCI=Z4, SJR=Q3, 0.537 Score, IF 2.1)
- **Moshayedi, A. J.**; Sohail Khan, A.; Hu, J.; Nawaz, A.; Zhu, J. E-Nose-Driven Advancements in Ammonia Gas Detection: A Comprehensive Review from Traditional to Cutting-Edge Systems in Indoor to Outdoor Agriculture. *Sustainability* **2023**, *15*, 11601. <https://doi.org/10.3390/su15111601>.(SCI=Z3,SJR=Q1, 0.664 Score, IF 3.9)
- **Moshayedi, A. J.**, Jafari Harandi, M., Keshavarzi, A., & Heidari, F. (2023). Feasibility Assessment of Sediment Trappers Design from Structure to Simulation in Iran: Study and Comparison. Iranian Journal of Chemistry and Chemical Engineering. SCI=Z4,SJR=Q3, 0.28 Score, IF=1.8).
- **Moshayedi, A. J.**, Hosseinzadeh, M., Joshi, B. P., & Emadi Andani, M. (2023). Recognition System for Ergonomic Mattress and Pillow: Design and Fabrication. IETE Journal of Research, 1-19.(SCI=Z4,SJR=Q3, 0.29 Score,IF=1.5)
- Gao, Y., **Moshayedi, A. J.**, Sanatizadeh, E., Behfarnia, P., Kolamroudi, M. K., Semirumi, D., & Yusof, M. (2023). Analysis of amorphous structure with polycaprolactone-hydroxyapatite nanoparticles fabricated by 3D bioprinter technique for bone tissue engineering. *Ceramics International*, 49(10), 16053-16060.SCI= Z1,SJR=Q1, 0.92 Score, IF=5.2)

- Zhang, X., Lai, J., & **Moshayedi, A. J** (2023). Traffic data security sharing scheme based on blockchain and traceable ring signature for VANETs. *Peer-to-Peer Networking and Applications*, 1-18.(**SCI=Z4,SJR=Q2, 0.87 Score, IF 4.2**)
- Yang, G., Zhang, X., & **Moshayedi, A. J** (2023). Implementation of the Simple Hyperchaotic Memristor Circuit with Attractor Evolution and Large-Scale Parameter Permission. *Entropy*, 25(2), 203.(**SCI=Z3,SJR= Q2, 0.54 Score, IF=2.7**)

2023_Conference : EI index

- Alzorgan, H., Razi, A., & **Moshayedi, A. J** (2023). Actuator Trajectory Planning for UAVs with Overhead Manipulator using Reinforcement Learning. *arXiv preprint arXiv:2308.12843.*, 2023 Workshop: 5th IEEE Workshop on Wireless Networking, Planning, and Computing for UAV Swarms (SwarmNet) 2023: PIMRC'23 WS SwarmNet.(**IEEE conference , EI index**) .
- Geng, K., **Moshayedi, A. J**, Chen, J., Hu, J., & Zhang, H. (2023). ENOSE Performance in Transient Time and Steady State Area of Gas Sensor Response for Ammonia Gas: Comparison and Study. Paper presented at the Proceedings of the 2023 2nd Asia Conference on Algorithms, Computing and Machine Learning.(**ACM conference , EI index**)
- **Moshayedi, A. J**, Soleimani, M., Marani, M., Yang, S., Razi, A., & Andani, M. E. (2023). Fingerprint Identification Banking (FIB); Affordable and Secure Biometric IOT Design. Paper presented at the 2023 4th International Seminar on Artificial Intelligence, Networking and Information Technology (AINIT). (**IEEE conference , EI index**) .
- Zarei, M., **Moshayedi, A. J**, Zhong, Y., Khan, A. S., Kolahdooz, A., & Andani, M. E. (2023). Indoor UAV Object Detection Algorithms On Three Processors: Implementation Test And Comparison. Paper presented at the 2023 3rd International Conference on Consumer Electronics and Computer Engineering (ICCECE). (**IEEE conference , EI index**) .

2023_Other Index :

- Durojaye, A., Kolahdooz, A., Nawaz, A., & **Moshayedi, A. J** (2023). Immersive Horizons: Exploring the Transformative Power of Virtual Reality Across Economic Sectors. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e6-e6.
- Marani, M., Soltani, M., Bahadori, M., Soleimani, M., & **Moshayedi, A. J** (2023). The Role of Biometric in Banking: A Review. *EAI Endorsed Transactions on AI and Robotics*, 2(1).
- **Moshayedi, A. J**, Khan, A. S., Shuxin, Y., Kuan, G., Jiandong, H., Soleimani, M., & Razi, A. (2023). E-Nose design and structures from statistical analysis to application in robotic: a compressive review. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e1-e1.
- **Moshayedi, A. J**, Reza, K. S., Khan, A. S., & Nawaz, A. (2023). Integrating Virtual Reality and Robotic Operation System (ROS) for AGV Navigation. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e3-e3.
- **Moshayedi, A. J**, Roy, A. S., Taravet, A., Liao, L., Wu, J., & Gheisari, M. (2023). A secure traffic police remote sensing approach via a deep learning-based low-altitude vehicle speed detector through uavs in smart cites: Algorithm, implementation, and evaluation. *Future Transportation*, 3(1), 189-209.

2022

2022_Book:

Moshayedi, A. J, Kolahdooz, A., & Liao, L. (2022). *Unity in Embedded System Design and Robotics: A Step-by-step Guide*: CRC Press.

Journal :

- Abbasi, A., MahmoudZadeh, S., Yazdani, A., & **Moshayedi, A. J** (2022). Feasibility assessment of Kian-I mobile robot for autonomous navigation. *Neural Computing and Applications*, 1-20.(**SCI=Z3,SJR=Q1, 1.17**)
- Mehmood, U., Agyekum, E. B., Kamel, S., Shahinzadeh, H., & **Moshayedi, A. J** (2022). Exploring the roles of renewable energy, education spending, and co2 emissions towards health spending in South Asian countries. *Sustainability*, 14(6), 3549.(**SCI=Z3,SJR=Q1, 0.66 Score**)
- **Moshayedi, A. J**, Chen, Z.-y., Liao, L., & Li, S. (2022). Sunfa Ata Zuyan machine learning models for moon phase detection: algorithm, prototype and performance comparison. *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 20(1), 129-140.(**SJR=Q3, 0.29 Score**)
- **Moshayedi, A. J**, Li, J., Sina, N., Chen, X., Liao, L., Gheisari, M., & Xie, X. (2022). Simulation and validation of optimized pid controller in agv (automated guided vehicles) model using pso and bas algorithms. *Computational Intelligence and Neuroscience*, 2022.(**SCI=Z3**)

2022_Other Index :

- **Moshayedi, A. J**, Roy, A. S., Kolahdooz, A., & Shuxin, Y. (2022). Deep learning application pros and cons over algorithm deep learning application pros and cons over algorithm. *EAI Endorsed Transactions on AI and Robotics*, 1(1).
- **Moshayedi, A. J**, Roy, A. S., Liao, L., Lan, H., Gheisari, M., Abbasi, A., & Bamakan, S. M. (2022). Automation Attendance Systems Approaches: A Practical Review. *BOHR International Journal of Internet of things, Artificial Intelligence and Machine Learning*, 1(1), 25-34.
- **Moshayedi, A. J**, Roy, A. S., Sambo, S. K., Zhong, Y., & Liao, L. (2022). Review on: The service robot mathematical model. *EAI Endorsed Transactions on AI and Robotics*, 1(1).
- Uddin, N. M. I., **Moshayedi, A. J**, & Shuxin, Y. (2022). The Face Detection/Recognition, Perspective and Obstacles In Robotic: A Review. *EAI Endorsed Transactions on AI and Robotics*, 1(1), e14-e14.
- Xu, G., Khan, A. S., **Moshayedi, A. J**, Zhang, X., & Shuxin, Y. (2022). The Object Detection, Perspective and Obstacles In Robotic: A Review. *EAI Endorsed Transactions on AI and Robotics*, 1(1).

2022_Conference : EI index

- **Moshayedi, A. J.**, Khan, A. S., Yang, S., & Zanjani, S. M. (2022). Personal image classifier based handy pipe defect recognizer (HPD): design and test. Paper presented at the 2022 7th International Conference on Intelligent Computing and Signal Processing (ICSP). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Kolahdooz, A., Roy, A. S., Rostami, S. A. L., & Xie, X. (2022). Design and promotion of cost-effective IOT-based heart rate monitoring. Paper presented at the International Conference on Cloud Computing, Internet of Things, and Computer Applications (CICA 2022). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Sambo, S. K., & Kolahdooz, A. (2022). Design and development of cost-effective exergames for activity incrementation. Paper presented at the 2022 2nd International Conference on Consumer Electronics and Computer Engineering (ICCECE). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Zanjani, S. M., Xu, D., Chen, X., Wang, G., & Yang, S. (2022). Fusion BASED AGV robot navigation solution comparative analysis and VREP simulation. Paper presented at the 2022 8th Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS). (IEEE conference , EI index) .
- Zanjani, S. M., **Moshayedi, A. J.**, Shahinzadeh, H., Fayaz-Dastgerdi, M.-H., Yaïci, W., & Moradi, J. (2022). Data-Driven Model Predictive Control for Load-Frequency Control in Islanded Microgrids. Paper presented at the 2022 8th Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS). (IEEE conference , EI index) .

2021_Conference : EI index

- **Moshayedi, A. J.**, Li, J., & Liao, L. (2021). Simulation study and PID tune of automated guided vehicles (AGV). Paper presented at the 2021 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .

2021_Other Index :

- **Moshayedi, A. J.**, Xu, G., Liao, L., & Kolahdooz, A. (2021). Gentle Survey on MIR Industrial Service Robots: Review & Design. *J. Mod. Process. Manuf. Prod.*, 10(1), 31-50. (ISC index)

2020

2020_Journal :

- Mahmoodi, S., Hassan, D. A., Hojjati-Najafabadi, A., Li, W., Liao, L., **Moshayedi, A. J.**, Khajavi, M. N. (2020). Quality enhancement of copper oxide thin film synthesized under elevated gravity acceleration by two-axis spin coating. *Ceramics International*, 46(6), 7421-7429. (SCI= Z1, SJR=Q1, 0.92 Score)
- **Moshayedi, A. J.**, Kazemi, E., Tabatabaei, M., & Liao, L. (2020). Brief modeling equation for metal-oxide; TGS type gas sensors. *Filomat*, 34(15), 4997-5008. (SCI=Z4, SJR=Q2, 0.37 Score)

2020_Journal Other Index_2020 :

- **Moshayedi, A. J.**, Gheibollahi, M., & Liao, L. (2020). The quadrotor dynamic modeling and study of meta-heuristic algorithms performance on optimization of PID controller index to control angles and tracking the route. *IAES International Journal of Robotics and Automation*, 9(4), 256

2019_Conference : EI index

- **Moshayedi, A. J.**, Abbasi, A., Liao, L., & Li, S. (2019). *Path planning and trajectory tracking of a mobile robot using bio-inspired optimization algorithms and PID control*. Paper presented at the 2019 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Chen, Z.-Y., Liao, L., & Li, S. (2019). *Portable image based moon date detection and declaration: System and Algorithm Code Sign*. Paper presented at the 2019 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Chen, Z., Liao, L., & Li, S. (2019). *Kinect based virtual referee for table tennis game: TTV (Table Tennis Var System)*. Paper presented at the 2019 6th international conference on information science and control engineering (ICISCE). (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Jinsong, L., & Liao, L. (2019). AGV (automated guided vehicle) robot: Mission and obstacles in design and performance. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 12(4), 5-18. (IEEE conference , EI index) .
- **Moshayedi, A. J.**, Roy, A. S., Liao, L., & Li, S. (2019). *Raspberry Pi SCADA zonal based system for agricultural plant monitoring*. Paper presented at the 2019 6th International Conference on Information Science and Control Engineering (ICISCE). (IEEE conference , EI index) .

2019_Journal Other Index:

- **Moshayedi, A. J.**, Agda, A. M., & Arabzadeh, M. (2019). *Designing and implementation a simple algorithm considering the maximum audio frequency of persian vocabulary in order to robot speech control based on arduino*. Paper presented at the Fundamental Research in Electrical Engineering: The Selected Papers of The First International Conference on Fundamental Research in Electrical Engineering.
- **Moshayedi, A. J.**, Fard, S. S., Liao, L., & Eftekhari, S. A. (2019). Design and development of pipe inspection robot meant for resizable pipe lines. *Int. J. Robot. Control*, 2(1), 25.
- **Moshayedi, A. J.**, Hosseini, M. S., & Rezaee, F. (2019). WiFi based massager device with NodeMCU through arduino interpreter. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 11(1), 73-79. (ISC)

- **Moshayedi, A. J**, Roy, A. S., & Liao, L. (2019). PID Tuning Method on AGV (automated guided vehicle) Industrial Robot. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 12(4), 53-66.(ISC)
- Abbasi, A., & **Moshayedi, A. J** (2018). Trajectory tracking of two-wheeled mobile robots, using LQR optimal control method, based on computational model of KHEPERA IV. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 10(3), 41-50. (ISC)

2018

2018_ Conference : EI index

- **Moshayedi, A. J**, & Gharpure, D. (2017). *Evaluation of bio inspired Mokhtar: Odor localization system*. Paper presented at the 2017 18th international carpathian control conference (ICCC). (IEEE conference , EI index) .
- Geibollahi, M., & **Moshayedi, A. J** (2018). Dynamic Modeling, Assembly and implementing Quadrotor UAV Using PID Controller. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 11(1), 15-22.(ISC)

2018_ Before

- Esfahani, O. T., & **Moshayedi, A. J** (2015). Design and development of Arduino healthcare tracker system for Alzheimer patients. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 5(4), 12-16.
- Esfahani, O. T., & **Moshayedi, A. J** (2014). Accuracy of the Positioning Systems for the Tracking of Alzheimer's Patients-A Review. *International Journal of Applied Electronics in Physics & Robotics*, 2(2), 10-16.
- Kukade, M., **Moshayedi, A. J**, & Gharpure, D. (2014). Electronic-nose (E-nose) for recognition of Cardamom, Nutmeg and Clove oil odor. *Electron. Its Interdiscip. Appl.(NCAELA-2014)*.
- **Moshayedi, A. J**, & Gharpure, D. (2014). *Implementing breath to improve response of gas sensors for leak detection in plume tracker robots*. Paper presented at the Proceedings of the Third International Conference on Soft Computing for Problem Solving: SocProS 2013, Volume 2.
- **Moshayedi, A. J**, & Gharpure, D. (2014). Review on: odor localization robot aspect and obstacles. *Int. J. Mech. Eng. Robot*, 2, 7-19.
- **Moshayedi, A. J**, Ahmadi, F., & Gharpure, D. C. (2013). Utilizing the Job Expanding Algorithm in Mokhtar Plume Tracker. *International Journal of Applied Electronics in Physics & Robotics*, 1(2), 1-2.
- **Moshayedi, A. J**, & Gharpure, D. C. (2013b). Path and Position Monitoring Tool for Indoor Robot Application. *International Journal of Applied Electronics in Physics and Robotics*, 1(1), 10.
- **Moshayedi, A. J**, Gharpure, D. C., & Shaligram, A. D. (2013). Design and Development Of MOKHTAR Wind Tracker. *International Journal of Soft Computing and Engineering (IJSCE)*, 167-173. (IEEE conference , EI index) .
- **Moshayedi, A. J**, Toudeshki, A., & Gharpure, D. C. (2013). *Mathematical modeling for SnO 2 gas sensor based on second-order response*. Paper presented at the 2013 IEEE Symposium on Industrial Electronics & Applications. (IEEE conference , EI index) .
- Yunusa Ali, S., Ramli, A. R., Ahmad, S. A., Toudeshki, A., & **Moshayedi, A. J**. (2013). A New Mathematical Model for Mapping Indoor Environment.
- **Moshayedi, A. J**, & Gharpure, D. (2012a). *Development of position monitoring system for studying performance of wind tracking algorithms*. Paper presented at the ROBOTIK 2012; 7th German Conference on Robotics. (IEEE conference , EI index) .
- **Moshayedi, A. J**, & Gharpure, D. (2012b). *Priority based algorithm for Plume tracking Robot*. Paper presented at the 2012 1st International Symposium on Physics and Technology of Sensors (ISPTS-1). (IEEE conference , EI index) .
- **Moshayedi, A. J**, Shingade, A., & Gharpure, D. (2012). Development of E nose for inspection of spices.
- Moshayedi, A. J., Singh, P. K., & Bodas, D. D. Low Cost analyzer Solutions for Electrical Management System by Matlab software base on web base SCADA system.
- Hashemi, S. R., & **Moshayedi, A. J** (2011). LAB View Based Smart Washing Machine Analyzer For Energy Consumption Features.
- **Moshayedi, A. J**, & Gharpure, D. (2011). *Design and development of wind tracker*. Paper presented at the 2011 IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE). (IEEE conference , EI index)